

## **AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) An information access method comprising the steps of:

placing a first server within a network ~~protected by a firewall~~, said network allows only predetermined access from an originator terminal;

connecting said first server with a second server located outside said network by a private line or a virtual private line other than said network;

taking at least some of files possessed by said first server and files possessed by said second server as common files whose contents are maintained in common with each other; and

~~permitting information access to the common files in said first server, whereby an originator terminal that implements said access can gain information in the common files of said second server~~

permitting an originator terminal allowed by said network to gain information of the common files in said second server through the common files in said first server by accessing to the common files in said first server.

2. (Previously Presented) The information access method of claim 1, wherein said first server has a Web mail server function, and wherein information is exchanged between said first server and a wire or wireless communication device having a Web mailing function by Web mails while using said communication device as the originator terminal.

3. (Currently Amended) An information access method comprising the steps of:

placing a first server capable of responding to access from ~~a wire or wireless communication device~~ an originator terminal within a network ~~protected by a firewall,~~  
said network allows only predetermined access from an originator terminal;

connecting said first server with a second server located outside said network by  
a private line or a virtual private line other than said network;

loading a given application program into said second server;

~~causing said second server to activate and operate said application program  
according to commands which are generated by said wire or wireless communication  
device and which are included in access passed through said firewall; and~~

~~sending information about results of operation of said program to said wire or  
wireless communication device via said first server~~

said first server acting to cause said second server to activate and operate said  
application program when said first server receives access from an originator terminal  
allowed by said network and said access including commands for operating said  
application program, and acting to obtain results of operation of said program from said  
second server and to send the results to said originator terminal.

4. (Currently Amended) The information access method of claim 2, wherein  
said ~~communication device~~ originator terminal is a cellular phone.

5. (Currently Amended) The information access method of claim 1 or 3,  
~~wherein if said network has plural segments independent of each other, said first server  
is placed in each of said segments, and wherein accesses passed through said firewall  
are assigned to the first servers specified by said accesses~~

wherein said network has plural segments independent of each other and communication control means;

wherein said first server is placed in each of said segments; and

wherein said predetermined access including specification of first server placed in any one of said segments so that said communication control means assigns access to the first servers specified by said access.

6. (Currently Amended) A network system having a network ~~protected by a firewall, which allows only predetermined access from an originator terminal, said network system~~ comprising:

~~segments forming said network and including a first segment;~~

~~a first server placed in said first segment~~ network and capable of responding to access ~~passed through said firewall~~ allowed by said network;

~~said first segment having~~ a connection port for connecting said first server with a second server located outside said network by a private line or a virtual private line other than said network;

wherein at least some of files held in said first server and files held in said and second servers, at least some of said files server being common files whose contents are maintained in common with each other; and

~~said first server acting to search the common files held in this first server for corresponding information in response to said access and to send the fetched information to an originator terminal implemented said access~~

wherein said first server permits an originator terminal allowed by said network to gain information of the common files in said second server through the common files in said first server by accessing to the common files in said first server.

7. (Currently Amended) A network system having a network ~~protected by a firewall,~~ which allows only predetermined access from an originator terminal, said network system comprising:

plural segments that are independent of each other within said network;

a communication control means mounted within said network to assign access ~~passed through said firewall~~ allowed by said network to any one of said segments;

a first server which is placed in each of said segments and is capable of responding to said access allowed by said network;

each of said segments having a connection port for connecting said first server with a second server located outside said network by a private line or a virtual private line other than said network;

wherein at least some of files held in said first server and files held in said and second server ~~servers in each segment, at least some of said files~~ being common files whose contents are maintained in common with each other in each segment; and

~~one of said first servers receiving said access and acting to search the common files held in this first server for corresponding information and to send the fetched information to an originator terminal implemented said access~~

wherein each of said first servers permits an originator terminal allowed by said network to gain information of the common files in said second server through the common files in said first server by accessing to the common files in this first server.

8. (Previously Presented) The network system of claim 6, wherein each of said first and second servers is designed so that, if a change in the common files of its own occurs, differential data before and after the change is sent to other server and that, if said differential data is received from the other server, the differential data is automatically copied into the common files of its own.

9. (Currently Amended) A network system having a network ~~protected by a firewall, which allows only predetermined access from an originator terminal, said network system~~ comprising:

~~segments forming said network and including a first segment;~~

~~a first server placed in said first segment network and capable of responding to access passed through said firewall~~ allowed by said network;

~~said first segment having~~ a connection port in said network for connecting said first server with a second server located outside said network by a private line or a virtual private line other than said network;

wherein said second server being loaded with a given application program; and

~~said first server acting to cause said second server to activate and operate said application program according to commands included in said access, to gain information about results of operation of said program, and to send the gained information to an originator terminal implemented said access~~

wherein said first server acting to cause said second server to activate and operate said application program when said first server receives access from an originator terminal allowed by said network and said access including commands for

operating said application program, and acting to obtain results of operation of said program from said second server and to send the results to said originator terminal.

10. (Currently Amended) The network system ~~of claim 6~~ as in any one of claims 6 to 9, wherein said originator terminal is a wire or wireless communication device having a Web mailing function, and wherein said first server having a Web mail server function and responding to access implemented by said communication device by a Web mail.

11. (Currently Amended) A network system comprising:  
a network ~~protected by a firewall~~ which allows only predetermined access from an originator terminal;

a first server of a user enterprise placed within said network;

a second server of said user enterprise placed outside said network, said first and second servers being interconnected by a private line or a virtual private line other than said network;

~~files held in said first and second servers, at least some of said files~~ wherein at least some of files held in said first server and files held in said second server being in-house information files of said user enterprise whose contents are maintained in common with each other;

~~said network acting to authenticate access from a wireless mobile terminal controlled by an authenticated person;~~

wherein said first server ~~having a~~ including means for executing copying task which performs a copying task for maintaining said in-house information files of its own in common with the contents of said second server; and

~~said first server further including means for executing at least one of reception processing for receiving information into said in-house information files of its own according to contents of said authenticated access, transmission processing for transmitting information contained in said in-house information files of its own, information search processing, and schedule processing for reading or entering an in-house schedule contained in said in-house information file of its own, whereby permitting communication with said wireless mobile terminal implementing said access~~

wherein said first server further including means for executing at least one of reception processing, transmission processing, information search processing and schedule processing according to contents of access allowed by said network, said reception processing for receiving information to be stored into said in-house information files of its own, said transmission processing for transmitting information stored in said in-house information files of its own, said information search processing for searching information stored in said in-house information files of its own, and said schedule processing for reading an in-house schedule stored in said in-house information file of its own or entering schedule into said in-house information file of its own, whereby permitting communication between an originator terminal whose access is allowed and said second server through said in-house information file of its own.

12. (Currently Amended) The network system of claim 11, wherein said first server further includes ~~a means for assisting transfer of~~ transfers information in the in-house information files among members of said user enterprise ~~including said authenticated person~~ through said in-house information of its own.

13. (Currently Amended) The network system of claim 11, wherein said first server further includes a means for creating an a mobile address book which ~~consists of~~ extracts addresses of a given number of persons ~~extracted~~ from an employee address book of said user enterprise stored in a predetermined database and creates a mobile address book based on the extracted addresses, and wherein said mobile address book is ~~which will be~~ presented on said ~~wire or wireless communication device~~ originator terminal.

14. (Original) The network system of claim 11, wherein said first server has a time-measuring means, and wherein when said schedule processing is performed, only data about scheduled events later than the present date or present time are subjected to said schedule processing.

15. (Currently Amended) The network system of claim 11, wherein

(A) said ~~communication device~~ originator terminal is a cellular phone having a Web mailing function,

(B) said first server has a Web mail server function and responds to access from said cellular phone by a Web mail, and

(C) information about a fee required for reception is displayed on said ~~cellular phone~~ originator terminal for each different kind of information to be processed.

16. (Currently Amended) The network system of claim 15, wherein said first server is designed to limit ~~displayed~~ displaying a part of information ~~about destinations included in a document~~ to be displayed on said cellular phone.

17. (Currently Amended) An information access method comprising the steps of:



transmitting a command from an originator to at least one first server positioned within a network;

receiving data from said first server based on said command, said data is at least one ~~common~~ file stored on said at least one first server maintained in common ~~on said at least one first server and~~ with at least one file stored on at least one second server outside the network; and

coupling said at least one first server with said at least one second server by a private line or a virtual private line other than said network;

wherein said command is transmitted from said originator to a first router, and said first router routes said command to a firewall.

18. (Previously Presented) The information access method of claim 17, said transmitting step further comprising the step of:

transmitting said command using one of the World Wide Web (WWW), e-mail and electronic mail.

19. (Previously Presented) The information access method of claim 17, said receiving step further comprising the step of:

receiving said data using one of the World Wide Web (WWW), e-mail and electronic mail.

20. (Previously Presented) The information access method of claim 17, further comprising the steps of:

authorizing access through said firewall to a second router, said second router encrypts said command; and

transmitting said command to said at least one first server based on encryption results.

21. (Previously Presented) The information access method of claim 17, further comprising the step of:

denying access through said firewall, said firewall determines that said command is unauthorized to access said network.

22. (Previously Presented) The information access method of claim 17, said transmitting step further comprising the step of:

transmitting said command from a mobile wireline or wireless communication device.

23. (Previously Presented) The information access method of claim 22, wherein said communication device is one of a notebook computer, cellular telephone, and personal digital assistant.

24. (Currently Amended) An information access method comprising the steps of:

positioning at least one first server within a network, said at least one first server stores at least one common file maintained in common with at least one second server positioned outside said network;

coupling said at least one first server with said at least one second server by a private line or a virtual private line other than said network;

securing said at least one first server with a firewall, said firewall having a network access control disposed therein;

receiving a command from an originator; and

transmitting said at least one common file stored in said at least one first server  
to said originator based on said command.

25. (Previously Presented) The information access method of claim 24, said  
securing step further comprising the steps of:

authorizing access to said network through said firewall; and  
accessing said at least one first server.

26. (Previously Presented) The information access method of claim 24, said  
securing step further comprising the step of:

denying access through said firewall, said firewall determines that said command  
is unauthorized to access said network..

27. (Previously Presented) The information access method of claim 24, said  
receiving step further comprising the step of:

receiving said command using one of the World Wide Web (WWW), e-mail and  
electronic mail.

28. (Previously Presented) The information access method of claim 24, said  
transmitting step further comprising the step of:

transmitting said at least one common file to said originator using one of the  
World Wide Web (WWW), e-mail and electronic mail.

29. (Previously Presented) The information access method of claim 24, said  
receiving step further comprising the step of:

receiving said command from a mobile wireline or wireless communication  
device.

30. (Previously Presented) The information access method of claim 29, wherein said communication device is one of a notebook computer, cellular telephone, and personal digital assistant.

31. (Previously Presented) The information access method of claim 24, said positioning step further comprising the step of:

positioning said at least one first server within at least one segment of said network, said at least one segment comprises a port for coupling said at least one first server with said at least one second server.

32. (Previously Presented) The information access method of claim 24, further comprising the steps of:

comparing a first set of files stored in said at least one first server with a second set of files stored in said at least one second server, and

copying at least a portion of said second set of files to said first set of files so that said first set of files and said second set of files being identical.

33. (Previously Presented) The information access method of claim 32, further comprising the step of:

transmitting at least a portion of the first set of files to said at least one second server so that said first set of files and said second set of files being identical.

34 -44. (Canceled)

45. (Previously Presented) The network system of claim 6, wherein said originator terminal is a wire or wireless communication device, and wherein said first server responding to access implemented by said communication device using one of the World Wide Web (WWW), e-mail and electronic mail.

46. (Previously Presented) The network system of claim 11, wherein

(A) said communication device is a cellular phone,

(B) said first server responds to access from said cellular phone using one of the World Wide Web (WWW), e-mail and electronic mail; and

(C) information about a fee required for reception is displayed on said cellular phone for each different kind of information to be processed.

47. (Previously Presented) The network system of claim 7, wherein each of said first and second servers is designed so that, if a change in the common files of its own occurs, differential data before and after the change is sent to other server and that, if said differential data is received from the other server, the differential data is automatically copied into the common files of its own.

48. (Previously Presented) The network system of claim 9, wherein each of said first and second servers is designed so that, if a change in the common files of its own occurs, differential data before and after the change is sent to other server and that, if said differential data is received from the other server, the differential data is automatically copied into the common files of its own.

49. (Previously Presented) The network system of claim 7, wherein said originator terminal is a wire or wireless communication device, and wherein said first server responding to access implemented by said communication device using one of the World Wide Web (WWW), e-mail and electronic mail.

50. (Previously Presented) The network system of claim 9, wherein said originator terminal is a wire or wireless communication device, and wherein said first

server responding to access implemented by said communication device using one of the World Wide Web (WWW), e-mail and electronic mail.